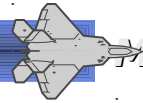
National Air and Space Model (NASM)

Discussion of Key Issues & Programmatic Activities

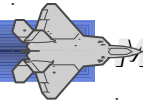
27 March 2001

Agenda



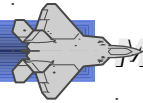
- Alliance Changes
- Overview of Activities
- Key Activities
- Challenges

Alliance Changes



- **In Dec 00, the Alliance embarked on a change to become HLA based**
  - **Conscious OSD decision to postpone functionality to build a more robust foundation for the future**
- **Change involved a realignment of certain tasks**
  - **Some tasks have created new interdependencies**
- **Schedule changes have cascading effects on legacy support**
- **Impacts and new Alliance responsibilities require contract rebaselining**
  - **New schedule**
  - **New architecture**
  - **New roles and responsibilities**

NASM Overview of Activities

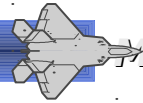


- **NASM, with other JSIMS components, will provide Joint & Air Force battlestaff training**
  - **NASM provides operationally realistic AF Air and Space (platforms, weapons, organizations) representation to JSIMS**
    - **Includes production of generic models for customization of Service-specific parameters, behaviors, and functionality by other DA partners**
  - **NASM provides Civil Environment (CE) representation for all JSIMS partners use**
  - **Includes JOISIM sensor and EW development activities**
- **NASM procures, develops, trains, and maintains the Common Component for HLA Tools (CCHLA)**
  - **HLA Development and Testing tools (OMDT & FVT)**
  - **JSIMS Technical Control & Federation Control Manager**
  - **Civil Environment database tools**
- **NASM is a full partner in integrating, testing, and fielding JSIMS**

Recent Key Accomplishments

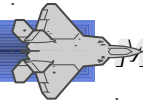
- Delivering Common Component tools
- JSIMS Gold/Blue Team support & products
- Demo activities supported
- Continued collaborative development on CCWS team
- Planning and sequencing of post VRM common components
  - Civil Environment
  - Electro-Magnetic Environment/Theater Communications
- Planning prep for Union Flash participation
- Co-led the technical manual tiger team
- Continued collaboration with others DAs, particularly Maritime FWA/RWA
- Completed NASM input to Cross Federate Traffic Analysis
- Took leading role in Federation Integration Event 1
- Early leading role in Federation Integration Event 2

Upcoming Key Activities



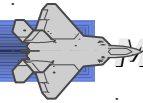
- **Continuing FWA/RWA Coordination Meetings with partners**
- **Union Flash 01 (Apr/May) exercise support**
  - **Using JSIMS Civil Environment to augment JTC components**
- **FIE support**
  - **Additional NASM & JOISIM federate functionality**
  - **Delivery of CCHLA tools to support FIs**
- **Initial purchase of hardware for Software Support Facility, which will provide expertise for site hardware purchases**

Challenges



- **Federation Integration**
  - **Aggressive schedules**
  - **Aggressive amount of code being integrated**
  - **Parallel activities increasing risk**
- **Deployment System Configuration**
  - **Need to address smaller footprint host configurations**
  - **Need to understand all COTS required at each site**
- **Change management**
  - **Spiral development**
  - **Staying within cost and schedule**

Summary



- **Many Challenges but none viewed as “Show Stoppers”**
- **Addressing greater than expected HLA migration impacts**
- **Proactively addressing continued JSIMS momentum**
  - **Rolling out CE at the AF simulation centers for user feedback**